

LABOR SERVICES DIVISION[875]

Adopted and Filed

Pursuant to the authority of Iowa Code section 89A.3, the Elevator Safety Board hereby amends Chapter 71, “Administration of the Conveyance Safety Program,” Chapter 72, “Conveyances Installed On or After January 1, 1975,” and Chapter 73, “Conveyances Installed Prior to January 1, 1975,” Iowa Administrative Code.

These amendments adopt by reference the most recent National Electrical Code, NFPA 70 (2011), and significant portions of the 2013 American Society of Mechanical Engineers (ASME) A17.1, Safety Code for Elevators and Escalators. The 2013 edition of ASME A17.1 contains provisions specific to wind turbine tower elevators (WTTE) for the first time; sets forth enhanced safety provisions to protect mechanics and inspectors working around limited-use, limited-application elevators; and requires that emergency recall connecting relays be placed outside an elevator machine room.

Iowa adopted previous editions of ASME A17.1 that included a full-load safety test at least once every five years and prohibited automatic reset of safety devices on escalators and moving walks. The 2013 edition of ASME A17.1 changes these provisions. To promote public safety, the Elevator Safety Board (Board) has chosen to maintain the status quo as it relates to these two provisions.

Iowa has not enforced the ASME A17.1 (2010) code requirements concerning daily telephone testing and witnessing of safety tests on periodic inspections. These amendments continue to differ from ASME A17.1 concerning periodic inspections but adopt the daily telephone testing requirement.

The purposes of these amendments are to protect the health and safety of the public, facilitate the installation of new technologies in Iowa, and implement legislative intent.

Notice of Intended Action was published in the July 23, 2014, Iowa Administrative Bulletin as **ARC 1560C**. Two comments relating to WTTE were received. Although the WTTE industry was well represented on the ASME committee that developed the WTTE standards, the comments concerned deviating from the ASME WTTE standards. The Board considered the comments and opted to make no changes in response to them.

These amendments are not identical to the amendments published under Notice of Intended Action. A more accurate citation to the ASME code was substituted in Item 2, the dates in Items 4 and 6 were changed to coincide with the effective date of the amendments, and the incorrect year specified in the parenthetical reference in paragraph 72.1(10)“c” in Item 6 was changed to 2011.

No variance procedures are included in this rule making. Applicable variance procedures are set forth in 875—Chapter 66.

After analysis and review of this rule making, no impact on jobs will occur.

These amendments are intended to implement Iowa Code chapter 89A.

These amendments shall become effective on January 14, 2015.

The following amendments are adopted.

ITEM 1. Amend rule 875—71.14(89A), introductory paragraph, as follows:

875—71.14(89A) Safety tests. Only safety test reports submitted on approved forms from elevator mechanics who are employed by authorized companies shall be considered to meet the requirements of this rule. The alternative test methods set forth at ASME A17.1, Rule 8.6.11.10, shall not be allowed as a substitute for a full-load safety test.

ITEM 2. Rescind subparagraph **71.14(1)“b”(3)** and adopt the following **new** subparagraph in lieu thereof:

(3) The columns pertaining to “periodic tests” in Table N-1 in the edition of ASME A17.1 currently adopted for new conveyances at rule 875—72.1(89A);

ITEM 3. Amend paragraph **72.1(8)“b”** as follows:

b. ASME A17.7 shall mean ASME A17.7-2007/CSA B44-40 07;

ITEM 4. Amend subrule 72.1(9), introductory paragraph, as follows:

72.1(9) For installations ~~on or after~~ between January 31, 2014, and January 14, 2015:

ITEM 5. Amend paragraph **72.1(9)“b”** as follows:

b. ASME A17.7 shall mean ASME A17.7-2007/CSA B44-10 07;

ITEM 6. Adopt the following new subrule 72.1(10):

72.1(10) For installations on or after January 14, 2015:

- a. ASME A17.1 shall mean ASME A17.1-2013/CSA B44-13;
- b. ASME A17.7 shall mean ASME A17.7-2007/CSA B44-07;
- c. ASME A18.1 shall mean ASME A18.1 (2011), except Chapters 4, 5, 6, and 7;
- d. ANSI A117.1 shall mean ANSI A117.1 (2003), except for Rule 407.4.6.2.2; and
- e. ANSI/NFPA 70 shall mean ANSI/NFPA 70 (2011).

ITEM 7. Amend rule 875—72.9(89A) as follows:

875—72.9(89A) Escalators and moving walks. The provisions contained in ASME A17.1, part 6, are adopted by reference, except for those portions that allow an operating or safety device to reset automatically.

ITEM 8. Amend subrule 72.13(1) as follows:

72.13(1) General. ~~All~~ Except as set forth in this rule, all maintenance, repairs, replacements, and alterations shall comply with the edition of ASME A17.1-2007/CSA B44-07 currently adopted for new conveyances at rule 875—72.1(89A) or ASME A17.7-2007/CSA B44-07, as applicable, ~~except as noted in 875—subrules 73.8(3) and 73.8(4).~~ Rule 875—71.10(89A) describes alterations which require that the entire conveyance be brought into compliance with the most current codes.

ITEM 9. Amend subrule 72.13(3), introductory paragraph, as follows:

72.13(3) Sump pump exemption. The provisions of ASME A17.1-2007/CSA B44-07 and ASME A17.1S-2005, Rule 2.2.2, that require a pit sump or drain shall not apply to an elevator alteration when all of the following criteria are met:

ITEM 10. Amend subrule 72.13(4), introductory paragraph, as follows:

72.13(4) Pit excavation exemption. The full length of the platform guard set forth in ASME A17.1-2007/CSA B44-07 and ASME A17.1S-2005, Rule 2.15.9.2(a), shall not be required if all of the following criteria are met:

ITEM 11. Amend subrule 73.8(1) as follows:

73.8(1) General. ~~All~~ Except as set forth in this rule, all maintenance, repairs and alterations shall comply with the edition of ASME A17.1-2007/CSA B44-07 currently adopted for new conveyances at rule 875—72.1(89A) or ASME A17.7-2007/CSA B44-07, as applicable, ~~except as noted in subrules 73.8(3) and 73.8(4).~~ Rule 875—71.10(89A) describes alterations which require that the entire conveyance be brought into compliance with the most current code.

ITEM 12. Amend subrule 73.8(3), introductory paragraph, as follows:

73.8(3) Sump pump exemption. The provisions of ASME A17.1-2007/CSA B44-07 and ASME A17.1S-2005, Rule 2.2.2, that require a pit sump or drain shall not apply to an elevator alteration when all of the following criteria are met:

ITEM 13. Amend subrule 73.8(4), introductory paragraph, as follows:

73.8(4) Pit excavation exemption. The full length of the platform guard set forth in ASME A17.1-2007/CSA B44-07 and ASME A17.1S-2005, Rule 2.15.9.2(a), shall not be required if all of the following criteria are met:

ITEM 14. Rescind subrule 73.8(6) and adopt the following **new** subrule in lieu thereof:
73.8(6) *Safety bulkheads*. Documentation from the manufacturer establishing that a safety bulkhead was installed shall establish compliance with ASME A17.1, Rule 8.6.5.8.

[Filed 11/18/14, effective 1/14/15]

[Published 12/10/14]

EDITOR'S NOTE: For replacement pages for IAC, see IAC Supplement 12/10/14.